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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

16

Application Number

10/661,037

Filing Date

September 12, 2003

First Named Inventor

John D. Hyde

Art Unit

2822

Examiner Name

Ida M. Soward

Attorney Docket Number

IMPJ-0003D1

**ENCLOSURES (check all that apply)**☒ Fee Transmittal Form☐ Fee Attached☒ Amendment / Reply☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☐ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Reply to Missing Parts/  
Incomplete Application☐ Reply to Missing Parts  
under 37 CFR 1.52 or 1.53☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a  
Provisional Application☐ Power of Attorney, Revocation  
Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) \_\_\_\_\_☐ Landscape Table on CD☐ After Allowance Communication to TC☐ Appeal Communication to Board  
of Appeals and Interferences☐ Appeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☐ Other Enclosure(s)  
(please identify below):**Remarks****SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm

Thelen Reid &amp; Priest LLP

Signature

Printed Name

David B. Ritchie

Date

September 30, 2005

Reg.  
No.

31,562

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature

Typed or printed name

Monica Pizarro

Date

September 30, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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<b>FEE TRANSMITTAL for FY 2005</b>		<b>Complete if Known</b>	
		Application Number	10/661,037
		Filing Date	September 12, 2003
		First Named Inventor	John D. Hyde
		Examiner Name	Ida M. Soward
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Art Unit	2822
<b>TOTAL AMOUNT OF PAYMENT</b> (\$) 400.00		Attorney Docket No.	IMPJ-0003D1

**METHOD OF PAYMENT** (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify) : \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 50-1698 Deposit Account Name: Thelen Reid & Priest LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) ☒ Credit any overpayments

Under 37 CFR 1.16 and 1.17

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION**

**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

**2. EXCESS CLAIM FEES**

**Fee Description**

Each claim over 20 (including Reissues)

**Small Entity**  
Fee (\$)

50

Each independent claim over 30 (including Reissues)

200

Multiple dependent claims

360

**Total Claims**

**Extra Claims**

**Fee (\$)**

**Fee Paid (\$)**

14

-20 or HP=

x

=

**Multiple Dependent Claims**

**Fee (\$)**

**Fee Paid (\$)**

HP = highest number of total claims paid for, if greater than 20.

**Indep. Claims**

**Extra Claims**

**Fee (\$)**

**Fee Paid (\$)**

8

- 3 or HP=

2

x

200

=

400

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
_____	- 100 = _____	/ 50 = _____ (round up to a whole number) x	=	_____

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

**Fees Paid (\$)**

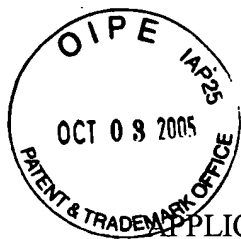
Other (e.g., late filing surcharge) : \_\_\_\_\_

**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent)	31,562	Telephone	408.292.5800
Name (Print/Type)	David B. Ritchie	Date	September 30, 2005		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: John D. Hyde et al.  
SERIAL NO.: 10/661,037  
FILING DATE: September 12, 2003  
TITLE: pFET Synapse Transistor With Structure For Facilitating Charge Injection  
and/or Tunneling With Respect to a Floating Gate  
EXAMINER: Ida M. Soward  
TELEPHONE: (571) 272-1845  
FAX: (703) 872-9306  
ART UNIT: 2822

CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450, on the date printed below:

Date: 9/30/05

Name: Monica Pizarro

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE TO OFFICE ACTION

Sir:

This paper is responsive to the Office Action mailed **June 30, 2005**. Please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims, which begins on page 2 of this paper.

**Remarks** begin on page 9 of this paper.